

TOPOGRAPHIC SURVEY CONTROL POINT RECORD

STATION LONG NAME	MU28
STATION NUMBER	MU28
4 CHAR ID	MU28
COUNTRY	IRAQ
LOCATION	AL MUTHANNA
SURVEYING AGENCY	IGRS
DATE (OF DESCRIPTION)	04 JUL 2005

CONTENTS	YES	NO	NO OF PAGES
FIELD COORDINATE VALUES	X		1
OFFICE COORDINATE VALUES	X		1
STATION MONUMENT & SITE DETAILS	X		1
STATION DIAGRAM	X		1
ACCESS MAP	X		1
ACCESS DESCRIPTION	X		1
APPROACH PHOTOGRAPHS	X		1
CARDINAL POINT PHOTOGRAPHS	X		2

RECORD OF VISITS

DATE OF VISIT	NAME	UNIT	REMARKS

ADDITIONAL DETAILS/ENCLOSURES

CONTENTS	NO OF PAGES

FIELD COORDINATE VALUES

STATION LONG NAME	MU28
4 CHAR ID	MU28
STATION NUMBER	MU28

THIS STATION IS NEW	YES
IDENTICAL / NEARLY IDENTICAL WITH	N/A

FIELD VALUES FROM THE RECEIVER / HAND HELD GPS – IN WGS84

LATITUDE N / S	31'18"21 N
LONGITUDE E / W	045'16"57 E
HT (M)	+6
GRID ZONE DESIGNATOR	38R
UTM / MGRS GRID	38R NV 26876 63519
SURVEYING AGENCY	IGRS

FIELD INPUT BY: SPR HUDSON	UNIT: IGRS	DATE: 04 JUL 2005
FIELD CHECKED BY: LCPL HARRIS- HUGHES	UNIT: IGRS	DATE: 04 JUL 2005

OFFICE COORDINATE VALUES

WGS 84 ADJUSTED VALUES AS AT: 25 Aug 05

LATITUDE N	31° 18' 20.53141''
LONGITUDE E	045° 16' 56.55156''
SPHEROIDAL HT (M)	4.766
EGM96 GEOID MODEL HT (M)	-7.692
ORTHOMETRIC HT (M)	12.458
VERTICAL DATUM	WGS 84
GEOID MODEL USED	EGM 96
RELATIVE TO	CORS STATIONS
RELATIVE POSITION ACCURACY (M)	0.029
RELATIVE HEIGHT ACCURACY(M)	0.024
ADJUSTING AGENCY	OPUS
ADJUSTMENT DATE	25 AUG 2005

LOCAL DATUM VALUES AS AT: 25 Aug 05

SPHEROID	N/A
PROJECTION	N/A
GRID	N/A
VERTICAL DATUM	N/A
LATITUDE N / S	N/A
LONGITUDE E / W	N/A
EASTINGS (M)	N/A
NORTHINGS (M)	N/A
SPHEROIDAL HT (M)	N/A
ORTHOMETRIC HT (M)	N/A
GRID ZONE DESIGNATOR	N/A
TRANSFORMATION AGENCY	N/A
TRANSFORMATION DATE	N/A

GRAVITY VALUE: N/A	TYPE OF STN: N/A	REF: N/A
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AIR PHOTO: N/A	REF: N/A	SCALE: N/A
IMAGERY: N/A	REF: N/A	SCALE: N/A

OFFICE INPUT BY: LCPL COWARD	UNIT: IGRS	DATE: 25 AUG 2005
OFFICE CHECKED BY: LCPL DICKEN	UNIT: IGRS	DATE: 25 AUG 2005

STATION MONUMENT AND SITE DETAILS

STATION LONG NAME: MU28	
STATION NUMBER: MU28	4 CHAR ID: MU28
LOCATION: AL MUTHANNA	COUNTRY: IRAQ
STATION ADDRESS: N/A	
TEL: N/A	FAX: N/A
LAND OWNER ADDRESS: N/A	
TEL: N/A	FAX: N/A
TYPE OF MARK: HARN	
CONDITION: GOOD	
MARK SETTING: FINE MARK ON REBAR	NO OF REBARS: 15

MONUMENT PHOTO / SKETCH



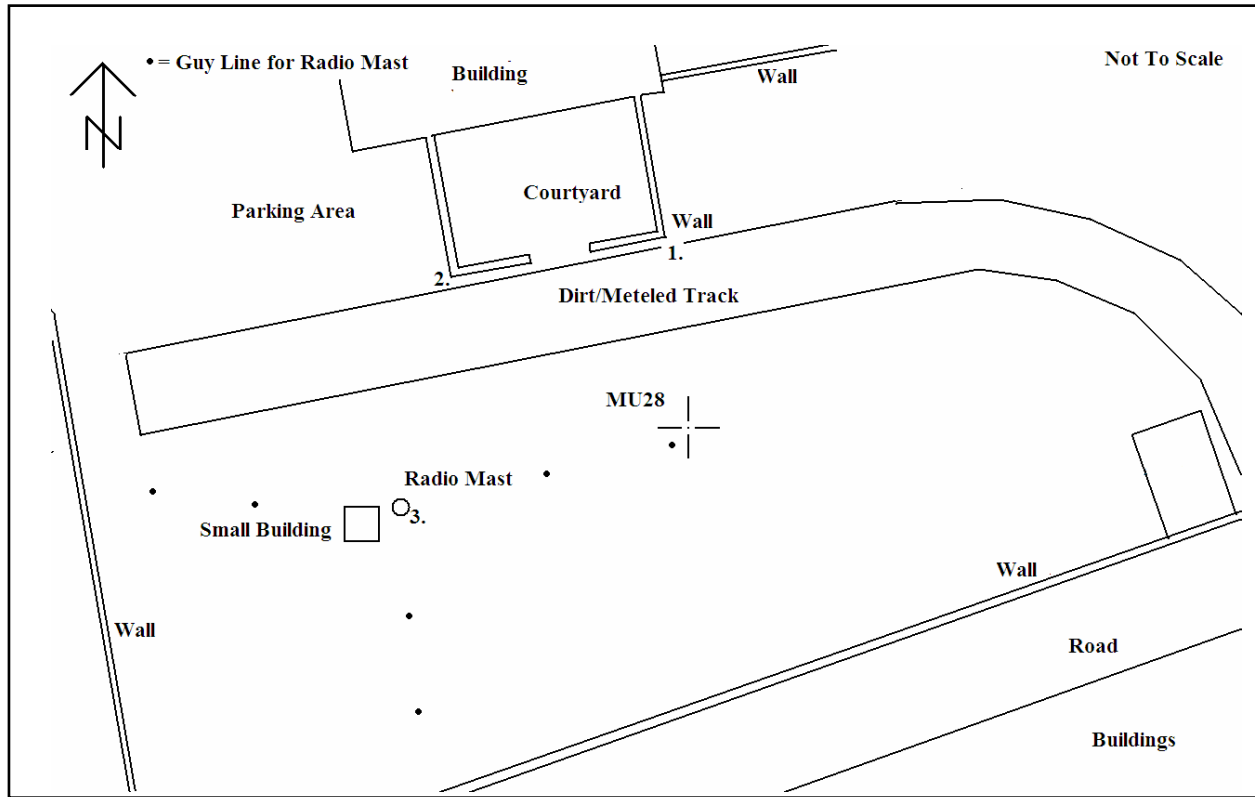
PREPARED BY: SPR HUDSON	UNIT: IGRS	DATE: 04 JUL 2005
CHECKED BY: LCPL HARRIS-HUGHES	UNIT: IGRS	DATE: 04 JUL 2005

STATION DIAGRAM

STATION LONG NAME: MU28

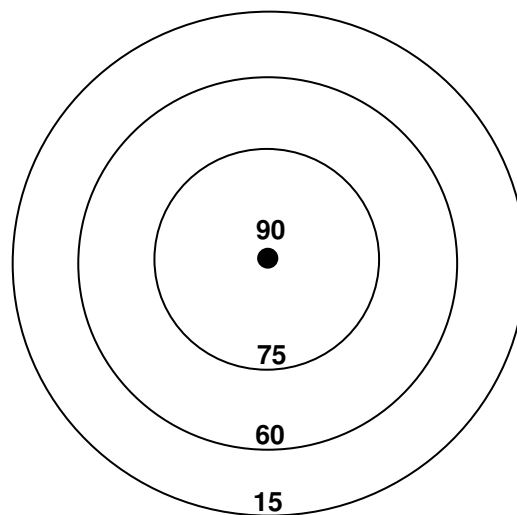
STATION NUMBER: MU28

4 CHAR ID: MU28



NO	DESCRIPTION	BRG/HORZ ANGLE	DISTANCE M
1	Corner of Wall	047°	18
2	Corner of Wall	017°	33
3	Radio Mast	318°	28
4			

OBSCURITY DETAILS



PREPARED BY: SPR HUDSON	UNIT: IGRS	DATE: 04 JUL 2005
CHECKED BY: LCPL HARRIS-HUGHES	UNIT: IGRS	DATE: 04 JUL 2005

ACCESS MAP

STATION LONG NAME: MU28

STATION NUMBER: MU28

4 CHAR ID: MU28

MAP DETAILS

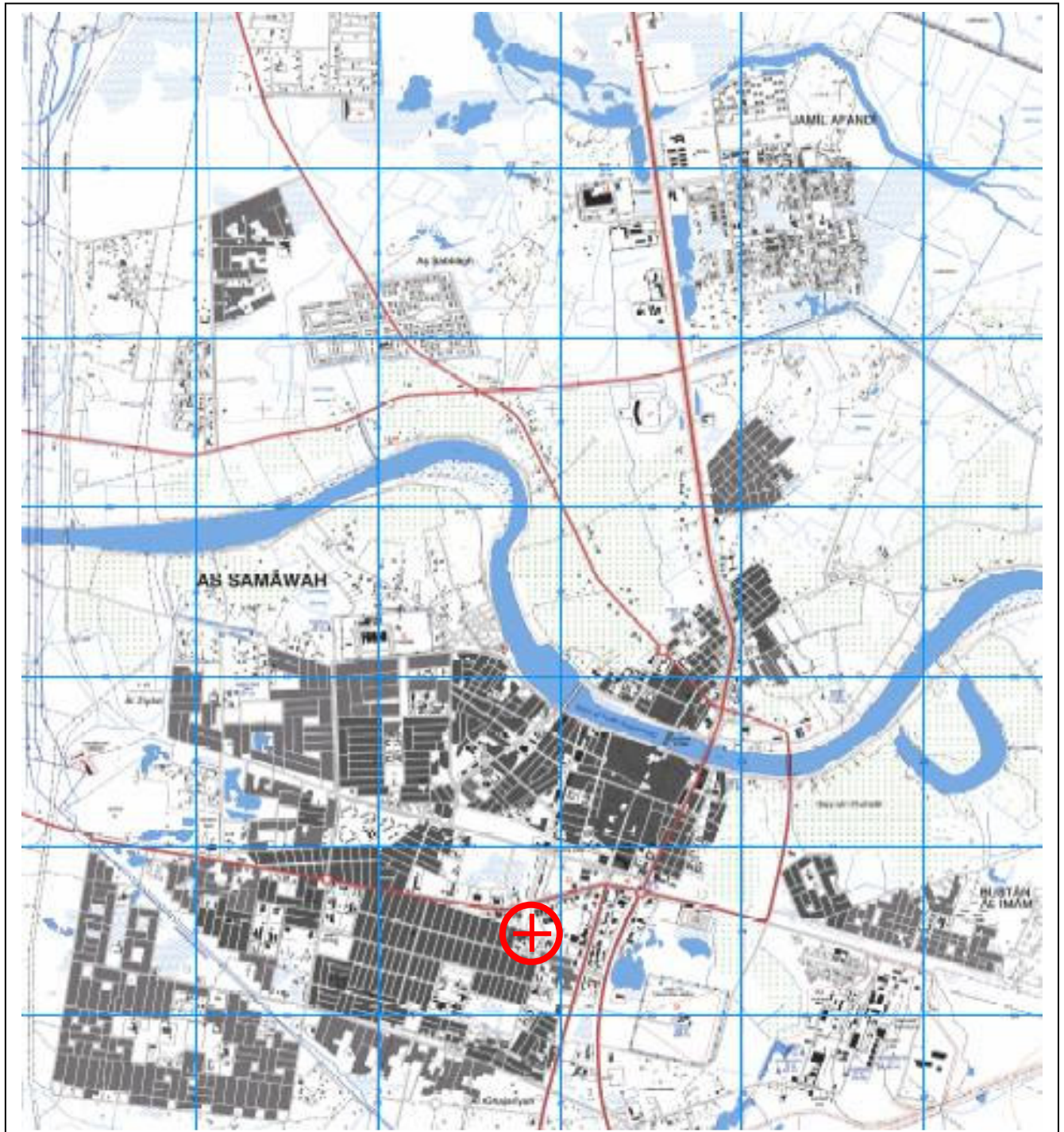
SERIES: N/K

SHEET: N/K

EDITION: N/K

SCALE: N/K

GR: 38R NV 26876 63519



PREPARED BY: SPR HUDSON

UNIT: IGRS

DATE: 04 JUL 2005

CHECKED BY: LCPL HARRIS-HUGHES

UNIT: IGRS

DATE: 04 JUL 2005

ACCESS DESCRIPTION

STATION LONG NAME: MU28	
STATION NUMBER: MU28	4 CHAR ID: MU28

MAP DETAILS	SERIES: N/K	SHEET: N/K
EDITION: N/K	SCALE: N/K	GR: 38R NV 26876 63519

From the fork in the road at gr 38R NV 279 613, carry on along the road to the right.
After approx 3 km there will be a roundabout with a water tower in the middle at gr 38R NV 274 637.
Take the road to the west. Then take the first road on the left, then next road on the right and then the next road on the right and head towards the PJOC.

PREPARED BY: LCPL HARRIS-HUGHES	UNIT: IGRS	DATE: 04 JUL 2005
CHECKED BY: SGT MOSTAFA	UNIT: IGRS	DATE: 04 JUL 2005

APPROACH PHOTOGRAPHS

STATION LONG NAME: MU28	
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NEAR APPROACH FACING SOUTH



FAR APPROACH FACING SOUTH



TAKEN BY: SGT MOSTAFA	DATE TAKEN: 04 JUL 2005
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CARDINAL PHOTOGRAPHS

STATION LONG NAME: MU28

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NORTH



SOUTH



TAKEN BY: SGT MOSTAFA

DATE TAKEN: 04 JUL 2005

CARDINAL PHOTOGRAPHS

STATION LONG NAME: MU28	
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EAST



WEST



TAKEN BY: SGT MOSTAFA	DATE TAKEN: 04 JUL 2005
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